

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A helium 3 refrigerator-utilizing a magnetic property measurement system comprising:

a helium 3 refrigerator provided with a sample rod having a sample fixed thereon and a main pipe having the sample rod inserted therein and forming in a circumference of the sample rod a space for effecting cooling with helium 3; and

a magnetic property measurement system provided with a tubular body for permitting insertion of the helium 3 refrigerator therein and a cooling means disposed on an outer periphery of the tubular body and operated with helium 4 and further provided with a superconducting magnet, a magnetic field forming means, a temperature adjusting means and a magnetic field adjusting means,

wherein the main pipe is formed, ~~as recognized~~ sequentially from top to bottom, of an upper supporting tube, a condensing tube, a lower inner tube and an outer tube adapted to form an insulated vacuum chamber between ~~itself~~ the outer tube and the lower inner tube, [[and]]

wherein the upper supporting tube and the lower inner tube are connected to each other through the condensing tube, and

wherein the lower inner tube is formed of titanium.

Claim 2 (Original): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein the outer tube is formed of copper.

Claim 3 (Original): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1 or claim 2, wherein the condensing tube is formed of copper.

Claim 4 (Currently Amended): A helium 3 refrigerator-utilizing magnetic property measurement system according to ~~any one of claims 1 to 3~~ claim 1, wherein the upper supporting tube is formed of stainless steel.

Claim 5 (New): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 2, wherein the upper supporting tube is formed of stainless steel.

Claim 6 (New): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 3, wherein the upper supporting tube is formed of stainless steel.

Claim 7 (New): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein the outer tube and the lower inner tube are connected to each other via a lower part of the condensing tube with a certain gap.

Claim 8 (New): A helium 3 refrigerator-utilizing magnetic property measurement system according to claim 1, wherein a connecting tube is mounted on an underside of the condensing tube and the outer tube and the lower inner tube are connected to each other via the connecting tube with a certain gap.